RUNSTAR

Instruction Manual

Electronic Blood Pressure Monitor

Model: BP-201

Version: 1.0
Revise Date: 2023-02

Made in China

CONTENTS

1. Safety Instructions

Thank you for purchasing Runstar Arm-type Electronic Blood Pressure Monitor.
⚠ Please read this instruction manual carefully before use.
⚠ This device is not a direct diagnostic device. It is only suitable for monitoring the blood pressure and pulse rate of adults. The measurement results should not be used for self-diagnosis or treatment. Please follow your doctor's advice.

Blood pressure is an important indicator of the human circulatory system. The home blood pressure monitor is easy to use regularly. It is crucial for preventing cardiovascular disease, encouraging hypertension patients to seek treatment, and managing high blood pressure.

Blood pressure fluctuates continuously throughout the day and night. The highest values typically occur during the day and the lowest at midnight. It is recommended that you measure your blood pressure at roughly the same time each day.

Various activities such as physical exercise, excitement, stress, eating, drinking, smoking, body posture, and other factors (including taking a blood pressure measurement) can influence blood pressure readings. Due to these factors, it is uncommon to obtain identical blood pressure readings in multiple measurements.

Definition and Classification of Blood Pressure Levels from WHO-ISH

Classification	Systolic Pressure (mmHg)	Diastolic Pressure (mmHg)
Ideal Blood Pressure	<120	<80
Normal Blood Pressure	<130	<85
High Normal	130~139	85~89
Hypertension Grade Ⅰ (Slight)	140~159	90~99
Hypertension Grade Ⅱ (Medium)	160~179	100~109
Hypertension Grade Ⅲ (Serious)	≥180	≥110
Isolated Systolic Hypertension	≥140	<90

The information above is for reference only.

1.1 Warning:

This product is intended for daily blood pressure monitoring only and should not be used for diagnosing hypertension.

- Use this product only for blood pressure measurements. Using it for other purposes may lead to accidents.
- This device is suitable for use by adults only. Do not use it on infants, toddlers, children or individuals who cannot express themselves.

• Self-diagnosis and treatment based on blood pressure readings are not recommended. Consult healthcare professionals for proper evaluation and guidance.
• Patients with severe blood pressure or circulation disorders, as well as blood diseases, should use this device under medical supervision.
• The displayed pulse reading should not be used as medical heart rate monitoring.
• Patients with arrhythmia or arteriosclerosis should have their blood pressure readings confirmed by medical professionals.
• Do not apply the cuff on limbs with intravascular access, therapy, or arterio-venous shunts to prevent blood flow interference and patient injury.
• Do not use the cuff on an injured or operated arm to prevent further harm.
• In the presence of common arrhythmias, such as premature beats or atrial fibrillation, the accuracy of the readings may be affected.
• Keep the device away from any great power appliances (e.g. high-voltage equipment, X-ray machine, and ultrasound equipment, etc.) to prevent interference during use.
• Keep the device away from active HF surgical equipment, MRI system and RF shielded rooms which generate strong electromagnetic interference.
• Keep the device away from strong electromagnetic fields (e.g. near the mobile power supply, microwave oven, etc.), as it may affect accuracy.
• Do not submerge the device in water or any liquids.
• Do not use the device near flammable anesthetic mixtures.
• Do not stack this device with other equipment to prevent operational issues.
• Keep batteries away from fire and out of reach of children and pets.

1.2 Caution

- For best results, practice multiple times to become familiar with the measurement technique.
- Make sure the batteries are installed correctly before use.
- Inspect the device for any damage before use, especially the cuff. Do not use if damaged to avoid skin injury.
- Verify the device is in proper working condition before use.
- Do not inflate the cuff when not properly wrapped around the arm.
- If discomfort occurs during use, such as prolonged inflation of the cuff, stop the measurement immediately by sliding the power switch to “OFF” or pulling out the air tube plug to release the air.
- Inaccurate measurement values may occur due to unconscious mis-operation.
- Please follow the provided cleaning instructions in section 11 of this manual to minimize Cross-infection risks for the intended reuse of the product.
- Do not clean the device with volatile solvents.
- Avoid dropping the device or subjecting it to strong impacts.
- Use only specified accessories provided by the manufacturer to maintain proper functionality.
- Do not modify this device. Only replace the battery when needed. Other modifications may create safety risks.
- Follow local laws when disposing of parts or the device at the end of its life cycle.

2. Working Principle

The Electronic Blood Pressure Monitor adopts the principle of oscillometric method, receives the blood pressure signal in the armband (cuff) through the pressure sensor, and measures the systolic blood pressure and diastolic blood pressure of the human body after processing by the chip. During the process of measuring blood pressure, the blood pressure sensor detects the number of pulsations of arterial blood vessels, and then converts them into the number of pulsations within a minute to achieve pulse rate measurement.

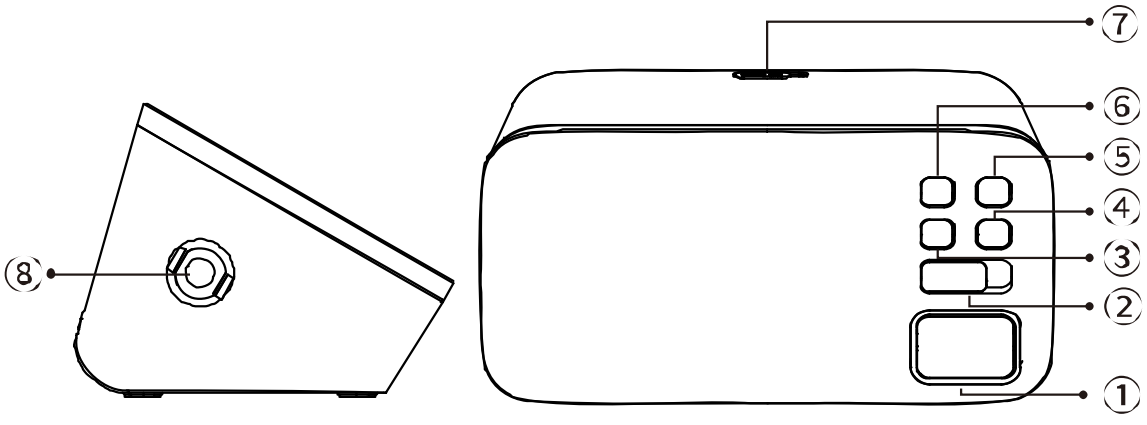
3. Intended Use

This device is an electronic blood pressure monitor intended for use in measuring blood pressure and pulse rate in adult patient population with the arm circumference range between 8.6 inches to 17.3 inches (22 cm to 44 cm).

4. Product Introduction

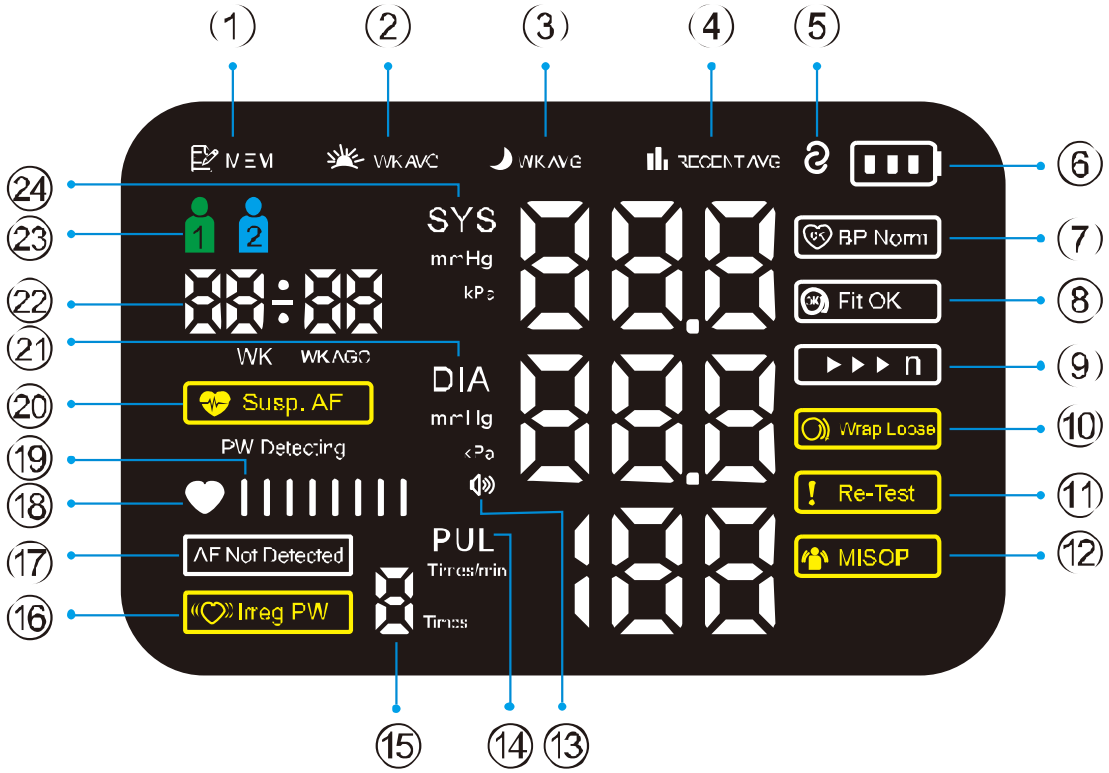
Product Name: Electronic Blood Pressure Monitor
Model: BP-201
This equipment is composed of a main body and a cuff. The main body is composed of a central processing unit, a pressure sensor, an air pump, a solenoid valve, a uniform speed vent valve, a PCB board, and an LED liquid crystal display.

5. Product Structures

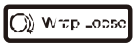
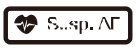


① ON/OFF Button
② User Button
③ Back Button
④ Forward Button
⑤ Set Button
⑥ Memory Button
⑦ PD Input
⑧ Air Tube Port

LED Display Explanation



①	MEM	Memory Value Icon: This icon lights up when viewing memory values.
②	WK AVG	Morning Weekly Average Icon: This icon lights up when viewing the morning weekly average.
③	WK AVG	Nighttime Weekly Average Icon: This icon lights up when viewing the nighttime weekly average.
④	RECENT AVG	Recent Average Icon: This icon lights up when viewing the recent average.
⑤		Wireless Connection Icon: Flashes when not paired with a phone; stays lit after pairing.
⑥		Battery Symbol Icon: Displays the current battery level in real time; only the outer frame is lit when the product is low on battery.
⑦	BP Norm	Normal Blood Pressure Icon: This icon stays lit when the measured blood pressure is below the home hypertension diagnostic benchmark.
⑧	Fit OK	Cuff Fitting Self-Check Icon: This icon stays lit when the cuff is correctly fitted.
⑨		Average Measurement Mode Icon: This icon stays lit when entering average measurement mode.

⑩		Cuff self-check icon: This icon will remain lit if the cuff is not worn correctly.
⑪		Retake reminder icon: This icon will prompt you to retake the measurement if the cuff is too loose or if there was a misoperation.
⑫		Error Warning Icon: This icon will light up if you move your body during the measurement process, causing errors in the measurement result.
⑬		Sound icon: Solid when sound is on, off when sound is off.
⑭		Pulse count/average measurement mode measurement interval display.
⑮		When two or more irregular pulse waves are detected, the number of detected irregular pulse waves is displayed.
⑯		Irregular pulse wave icon: Solid when an irregular pulse wave is detected.
⑰		No atrial fibrillation detected icon: Solid when no atrial fibrillation is detected.
⑱		This icon flashes with the pulse during the measurement process.
⑲		When a pulse is detected as the cuff begins to deflate during the measurement process, the "PW Detecting" icon is solid, and " ▮▮▮▮▮▮▮▮ " flashes with the pulse.
⑳		Suspected atrial fibrillation icon: Solid when suspected atrial fibrillation is detected during the measurement process.
㉑		Diastolic blood pressure (low pressure) display area.
㉒		Date and time display/Average measurement mode measurement count display.
㉓		User icon: Sliding the user button will solidify the selected user's icon. When entering guest mode, neither icon is displayed.
㉔		Systolic blood pressure (high pressure) display area.

6. Symbol Explaination

Graphic Symbol	Content
	**WARNING** Indicates a potentially hazardous situation, which if not avoided, could result in death or serious injury.
	**CAUTION** Indicates a potentially hazardous situation, which if not avoided, may result in minor or moderate injury to the user or patient or damage to the equipment or other property.
	Please read the instructions before use.
	It belongs to the electric shock protection BF application part.
IP22	Cover Protection Class IP22:2 Protected against solid foreign objects of 12,5 mm ∅ and greater; 2 Protected against vertically falling water drops when enclosure tilted up to 15°.
	The WEEE mark for electronic product recovery indicates that when the end user intends to discard the product, it must be taken to the appropriate facility for recovery and recycling.
	Manufacture date
	Manufacturer
	Production batch number
	MR unsafe
	Lithium battery certification

7. Product Specification

Item	Specification
Operating Environment	Temperature: 5˚C~40˚C Humidity: 15%~85% RH Atmospheric pressure range: 70kPa~106kPa
Storage and Transportation Environment	Temperature: -20˚C~50˚C Humidity: 15%~85% RH Atmospheric pressure range: 70kPa~106kPa
Measuring Method	Oscillometric method

Pressure Sensor	Resistance type pressure sensor
Maximum allowed pressure	299mmHg
Cuff deflation pressure	＜10s deflate 260mmHg to less than 15mmHg
Static leakage	≤±6mmHg for 6min
Manometer test mode	Dynamic pressure mode, Static pressure mode
Measuring Range	Blood Pressure/Indication Range: 0-299mmHg (0-39.9kPa)
	Pulse Rate: 40-199 beats/minute
Display	LED display
Measuring Accuracy	Blood Pressure: ±3mmHg (±0.4kPa)
	Pulse Rate: ±5 %
Reproducibility of Blood Pressure Determination	±3mmHg (Root mean square between 10 measurements and theiraverage)
Stability of Blood Pressure Determination	≤±3mmHg (Maximum deviation between the maximum value of 10measurements and its average)
Resolution	1mmHg (0.1kPa)
Power Supply	Rechargeable Lithium-ion (3000mAh/3.7V/11.1Wh)
Charging Voltage	DC 5.0V
Memory Capacity	2 users with 99 memories each
Measure Time	<60s
Auto off	Auto power off after 60 seconds of inactivity
Cuff Specification	Approx. 22 to 44cm (8.6" to 17.3")
Dimension	Approx. 191mm (l) × 110mm (w) × 85mm (h) (7.52" × 4.33" × 3.35")
Weight	Approx. 485g (not included cuff)
Package List	Cuff, USB-C cable, instruction manual
Lifetime	5 years

Statement

The electronic blood pressure monitor has been performed clinical

investigation according to ISO 81060-2: 2018 Non-invasive sphygmomanometers - Part 2: Clinical investigation of intermittent automated measurement type. The mean error and the maximum permissible standard deviation met the requirements of ISO 81060-2: 2018.
-This monitor is clinically investigated in accordance with the requirements of IEC 80601-2-30:2018.
-This monitor's biocompatibility has been verified by test according to ISO 10993 series standards.
-This monitor has been designed and tested in accordance with EN 60601-1:2006+A1:2013 to ensure safety and essential performance.
-Any serious incidents should be reported to the EU representative, manufacturer, and competent authority.

8. Settings

8.1 Date/Time Setting

In the shutdown state, long press "⚙" key to enter the settings mode. Then, short press the "⚙" key "to enter the date adjustment mode, press "◁" "▷" key to enter the year adjustment, then press "⚙" key, the month flickers, and then enter the month adjustment state.
Press "◁" "▷" key to enter adjust the month, then press "⚙"key, the date flickers, and then enter the date setup state.
Press "◁" "▷" key to enter adjust the date, then press "⚙" key, the time icon flickers, and then enter the hour setup state.
Press "◁" "▷" key to enter adjust the hour, then press "⚙" key, the minute icon flickers, and ten enter the minute setup state.
Press "◁" "▷" key to adjust the minute, then the minute setup is completed.
Please note that the new settings will not be saved after power failure.

8.2 User Switching

In the power ON state, slide the "user" left and right. Switch between User 1 and User 2.

8.3 Unit Switching

In the shutdown state, press and hold "⚙" key to enter the setting mode, if the unit is mmHg, press "◁" "▷" key to switch kPa, when the 0.0kPa displayed, the setting is success, press "START/STOP" key to shut down and save.

8.4 Memory View

In the shutdown state, short press the "📝" key to view the average of the three most recent memory values. Shortly press the "📝" key twice to view the morning weekly average memory value (the morning weekly average refers to the average of up to three memory values measured

within 10 minutes from 4:00 AM to 9:59 AM each day, Sunday through Saturday, starting with the earliest memory value). Press the "" key again to view the evening weekly average memory value (the evening weekly average refers to the average of up to three memory values measured within 10 minutes from 7:00 PM to 1:59 AM each day, Sunday through Saturday, starting with the earliest memory value). Slide the "User" button to view the memory values for User 1 or User 2. Press the "◁" "▷" key to check through the measured memory values.
In the shutdown state, press and hold "⚙" key to enter the setting mode, short press "⚙" key until the screen displays "CL", press "" key while continuously pressing the "START/STOP" key for 2seconds, when the screen displays "--", the memory is deleted, memory deleteion means deleting all measured memory data under all users at once.

8.5 Sound Switch
In the shutdown state, press and hold "⚙" key to enter the setting mode, short press "⚙" key until the high pressure area displays"SP",and the speaker switch setting state is entered.
Press "◁" "▷" key to adjust the speaker switch(ON-Open, OF-Close). and the speaker switch setting is competed.

8.6 Measurement interval setting
In the shutdown state, press and hold "⚙" key to enter the setting mode, then short press "⚙" key until displays " ▸▸▸n ", press "◁" "▷" key to adjust the interval time, you can set it to 15, 30, 60, 120 seconds. The initial interval setting is 15 seconds. In the shutdown state, press and hold the "START/STOP" key for more than 2 seconds until the averaging mode icon " ▸▸▸n " lights up, then release it to enter averaging mode. After two measurements, the average of these two values is displayed. If there are any abnormalities or errors during measurement, a third measurement will be performed. The blood pressure value is displayed after averaging the two sets of data with similar results.

8.7 Guest mode
Press and hold the memory button for 2 seconds to enter In this mode, the blood pressure monitor will not display user1/2, the measurement data will not be sent to the phone or saved in the memory.
Guest mode will automatically exit when the product is powered off or in sleep mode.
In the power-off state and measurement completion state, press the settings button shortly to enter Wireless connection pairing mode, and press and hold the memory button for 2 seconds to enter guest mode.

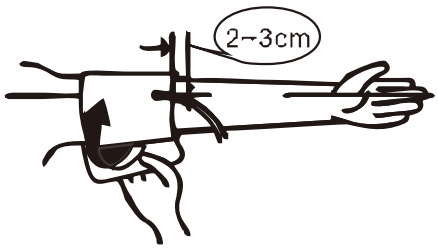
9. Blood Pressure Measurement Method

9.1 Check and Prepare Before Measurement

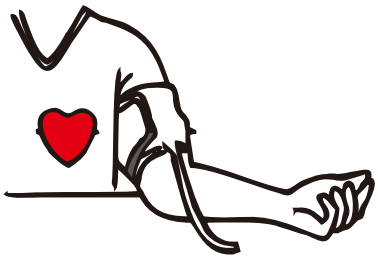
(1) Avoid exercising, bathing, drinking stimulating drinks (such as coffee or alcohol), and smoking within 30 minutes before the measurement.
(2) Rest in a comfortable and stable environment for at least 5 minutes before the measurement.
(3) Remove tight-fitting or thick clothing from your arm, bare the upper arm or wear thin shirts for the measurement.
(4) Sit in a chair with your feet flat on the floor and arms on the table.
(5) Make sure the batteries are correctly installed.

9.2 Apply the Cuff on the Arm

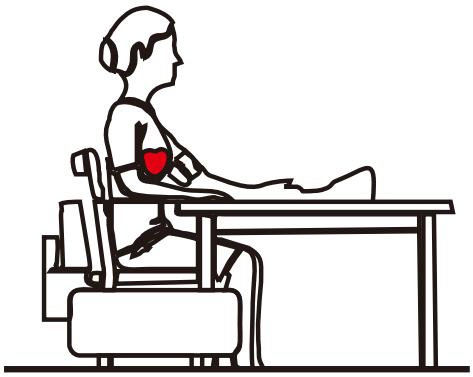
(1) Take out the cuff and open it into a tubular shape, ensuring it is suitable for the arm to fit in.
(2) Wrap the cuff around the upper arm. Make sure the air tube is positioned along the forearm and on the inside of your arm.
(3) The bottom edge of the cuff should be 2cm to 3cm (about 1 inch) above the elbow joint.



(4) Wrap the cuff securely with the Velcro fastener. Leave enough space to fit one finger between the cuff and your arm.



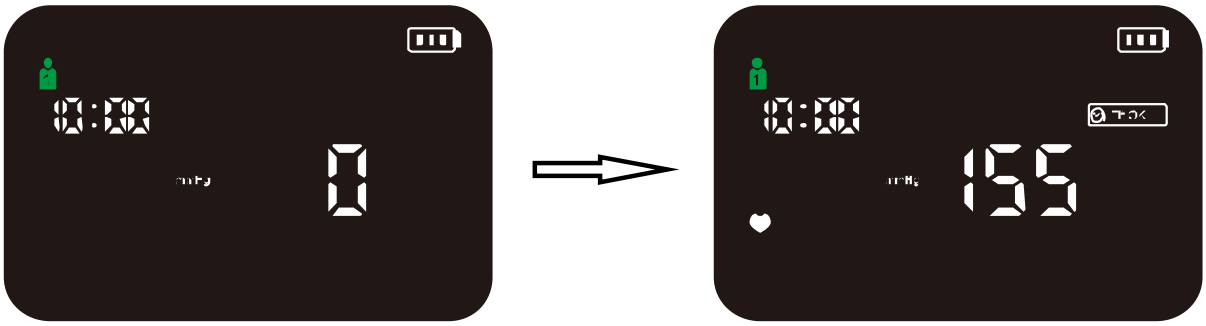
(5) Plug the arm cuff into the monitor by fully inserting the air tube plug into the air tube port (located on the left side of the monitor).



Correct measurement posture:
A. Rest your elbows on the table.
B. Align the cuff with your heart height.
C. Relax your body with palms facing up.

9.3 Start Blood Pressure Measurement

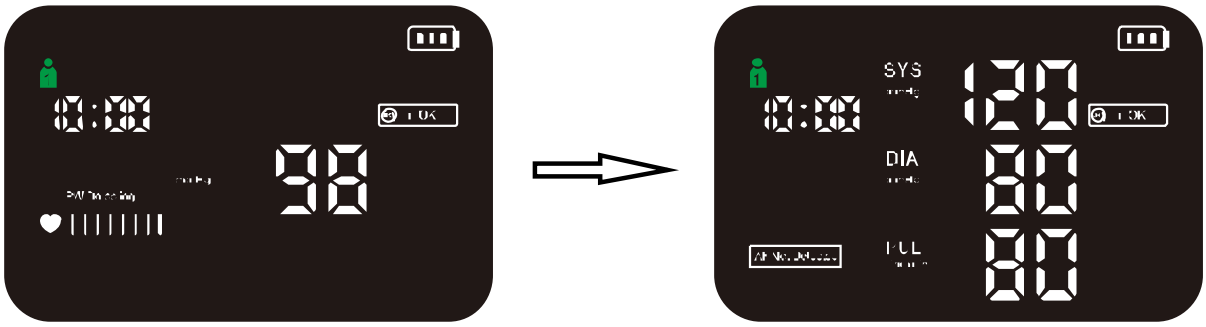
(1) Press the “START” button while the device is in shutdown or standby mode to initiate the measurement process. The cuff will automatically inflate.



Start Measuring Inflating

Note: During inflation, please keep your arm still to ensure accurate readings. Any movement may affect the measurement. Feeling the cuff pressure is normal during inflation. Refer to the "Error and Fault Troubleshooting" section for error indications.

(2) The device will stop automatically after full inflation and proceed to detect your pulse rate.



Once the measurement is complete, your blood pressure and pulse values will be displayed.

Note: Maintain a correct posture and a quiet environment during measurement. To end the measurement, press the “START” button to stop the pressure and deflate the cuff.

(3) After the measurement, remove the cuff, press the “START” button to manually turn off the device. If no action is taken, the device will turn off automatically after 60 seconds.

Notice:

- Various factors such as measurement site, patient position (standing, sitting, lying down), cuff placement, exercise, and physiological condition can affect blood pressure readings.
- Extreme temperature, humidity, and altitude can impact the blood pressure monitor's performance. Use the device in the environment in accordance with the Instruction Manual.
- Avoid compressing or restricting the air tube.
- Proper cuff tightness is crucial for accurate readings.

- Maintain consistency in measurement timing, body position, posture, and device usage.
- Please measure both arms for first-time use.
- If cuff pressure causes discomfort, stop the measurement immediately by sliding the power switch to "OFF" or pulling out the air tube plug to release the air.
- Wait at least 2-3 minutes between measurements to allow the artery to return to its normal state.
- Avoid frequent measurements to prevent blood flow interference and potential injury.
- Kinking of the air tube can lead to continuous cuff inflation, causing harm to the patient.
- Cuff pressurization may temporarily affect the function of other monitoring devices on the same arm.
- Make sure that the blood pressure monitor operation does not excessively impede blood circulation.

10. Error and Fault Troubleshooting

Symbol	Cause	Solution
ER1	Abnormal sensor signal	Check whether the cuff is normal and whether it is worn correctly, re-measure.
ER2	No measurement results	Check whether the cuff is normal, whether it is worn correctly, whether the blood pressure monitor communicates with heart. Using correct sitting posture, keep relax and quiet, re-measure.
ER3	Abnormal measurement results	Check whether the cuff is normal, whether it is worn correctly, whether the blood pressure monitor communicates with heart. Using correct sitting posture, keep relax and quiet, re-measure.
ER4	The cuff is too loose or leaks air.	Check whether the cuff is tight enough to fit one or two fingers into your arm; check whether the air tube joint is inserted into the device; check whether there is obvious air leakage between the air tube and the cuff, re-measure.
ER5	The cuff is too tight or the airway is blocked.	Check whether the cuff is tight enough to fit one or two fingers into your arm; check whether the air tube connected to the cuff is bent or pressed by heavy objects, re-measure.

ER6	Severe pressure interference during measurement.	Check whether there are strong interference devices in the measurement environment, such as mobile phones, motors, and microwave ovens. Do not speak during measurement and keep relaxed. Do not use force or move the arm suddenly during measurement, re-measure.
ER7	Pressure exceeds upper limit	Do not speak during measurement and keep relaxed. Do not use force or move the arm suddenly during measurement, re-measure.

11. Maintenance and Cleaning

11.1 Maintenance

- Do not disassemble, repair, replace parts, or modify the device. Contact the seller or manufacturer for any necessary assistance.
- Avoid exposing the equipment to high temperatures, moisture, excessive humidity, or direct sunlight. Follow the instructions in this manual for proper usage and storage under specified environmental conditions.
- Avoid folding, pulling, or twisting the cuff containing an airbag.
- Store the device in a secure location out of children's reach.

11.2 Cleaning:

- Clean the device with a soft, dry cloth or a slightly damp cloth. It is advised to clean the device before each use.
- Disinfect the device with a soft cloth dampened with 75% medical alcohol after cleaning. Daily disinfection is recommended. Allow the device to air dry in a cool place after disinfection.
- Avoid using strong volatile or corrosive solvents or abrasive cleaners.

12. Product Charging

1. Use the Power Adapter to Charge

This product uses internal lithium battery power supply, please ensure sufficient power when using. When the low voltage symbol appears, please charge, use method:

a) Plug the USB cable into the power cord jack of the device;

b) Plug the USB end of the USB cable into the DC5V1A USB power adapter, and then plug the power adapter into the 220V power jack. The power bar will jump during charging, and the icon will stop flashing after charging is completed. Please unplug the power supply in time when

charging is completed;
-If you need to use an adapter for power supply, please use an adapter that complies with the requirements of GB9706.1-2020. The blood pressure monitor is connected to the adapter to form a medical electrical equipment system.
-When the battery is fully charged, it can measure continuously for about 360 times.

13. After-sale Service

Visit official website or scan QR code to activate lifetime warranty :
www.runstar.com

14. EMC Information and Statement

⚠ Precautions:
- This product conforms to the electromagnetic compatibility requirements of IEC 60601-1-2:2014 standard.
- The user shall use the device according to EMC information provided in this manual.
- Portable and mobile RF communication equipment may affect the performance of the product. Avoid strong electromagnetic interference, such as close to mobile phones and microwave ovens.
- The guidance and manufacturer's statement are detailed in the table below.

⚠ **Warnings:**
- This product should not be used close to or stacked with other devices. If it must be used close to or stacked with other devices, it should be observed to verify that it can operate normally under the configuration used.

Table 1: Electromagnetic Emissions

Guidance and Declaration - Electromagnetic Emissions	
The product is intended for use in the electromagnetic environment specified below. The customer or the user of the product should assure that it is used in such an environment.	
Emission Test	**Compliance**
RF emissions CISPR 11	Group 1, Group B

Table 2: Electromagnetic Immunity

Guidance and Declaration - Electromagnetic Emissions		
Immunity Test	**Compliance**	
Electrostatic Discharge (ESD) IEC 61000-4-2	±8 kV contact ±15 kV air	
Power Frequency (50/60 Hz) Magnetic Field IEC 61000-4-8	30 A/m	
Radiated RF IEC 61000-4-3	80MHz- 2.7GHz	10 V/m
	380MHz- 390MHz	27 V/m
	430MHz- 470MHz	28 V/m
	704MHz- 787MHz	9 V/m
	800MHz- 960MHz	28 V/m
	1.7GHz- 1.99GHz	28 V/m
	2.4GHz- 2.57GHz	28 V/m
	5.1GHz- 5.8GHz	9 V/m

Table 3: Not Applicable

Harmonic Emissions (IEC 61000-3-2), Voltage Flicker Emissions (IEC 61000-3-3), Electrical Fast Transients (IEC 61000-4-4), Surge (IEC 61000-4-5), Voltage dips (IEC 61000-4-11), Conducted Immunity (IEC 61000-4-6)
Note: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.

Table 4 Recommended Separation Distances Between RF WirelessCommunications Equipment

The device is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the device can help prevent electromagnetic interference by maintaining a minimum distance between RF wireless communications equipment and the device as recommended below, according to the maximum output power of the communications equipment.

Immunity test	IEC 60601 Test Level				Compliance level	RF wireless communications equipment should be used no closer to any part of the device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.
	Test frequency	Modulation	Maximum power	Immunity level		
	385 MHz	**Pulse Modulation: 18Hz	1.8W	27 V/m	27 V/m	

Radiated RF IEC 61000-4-3	450 MHz	*FM+ 5Hz deviation: 1kHz sine	2W	28 V/m	28 V/m	Recommended separation distance $E=\frac{6}{d}\sqrt{p}$ Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitter, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range.Interference may occur in the vicinity of equipment marked with the following symbol:
	710 MHz 745 MHz 780 MHz	**Pulse Modulation: 217Hz	0.2W	9 V/m	9 V/m	
	810 MHz 870 MHz 930 MHz	**Pulse Modulation: 18Hz	2W	28 V/m	28 V/m	
	1720 MHz 1845 MHz 1970 MHZ	**Pulse Modulation: 217Hz	2W	28 V/m	28 V/m	
	2450 MHZ	**Pulse Modulation: 217Hz	2W	28 V/m	28 V/m	
	5240 MHz 5500 MHz 5785 MHZ	**Pulse Modulation: 217Hz	2W	9 V/m	9 V/m	

Note* - As an alternative to FM modulation, 50 % pulse modulation at 18 Hz may be used because while it does not represent actual modulation, it would be worst case.
Note** - The carrier shall be modulated using a 50 % duty cycle square wave signal.

WARNINGS!

- This device should not be used in the vicinity or on the top of other electronic equipment such as cell phone, transceiver or radio control products. If you have to do so, the device should be observed to verify normal operation.
- The use of accessories and power cord other than those specified, with the exception of cables sold by the manufacturer of the equipment or system as replacement parts for internal components, may result in increased emissions or decreased immunity of the equipment or system.

15. Manufacturer Information

Manufacturer: Shenzhen Brav Electronic Technologies Co., Ltd.
Manufacturer Address: 4-5/F, Building 11, Tongfuyu Industrial Park, Lezhujiao, Huangmabu Community, Hangcheng Street, Bao'an District, Shenzhen, China

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

☐Reorient or relocate the receiving antenna.
☐Increase the separation between the equipment and receiver.
☐Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
☐Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. The device can be used in portable exposure condition without restriction.